Brickcom

3 Megapixel
Mini Box Network Camera

MB-300A Series

HDTV 1080p/720p ● WiFi/3G/4G Wireless Connection ● PoE

- Most Intelligent, Compact and Affordable 3M Camera
- HDTV Quality (Full HD 1080p @ 30fps Streaming)
- Removable IR-cut Filter Superior for Night Vision
- Intelligent Multi-Profile Sensor Management for Different Environment
- Support 802.11a/b/g/n Dual Band Wireless Connectivity
- WPS Supported for Easy Wireless Network Setup
- Support 3G/ 4G (WiMAX/LTE) Wireless Connectivity
- Edge Recording/ Micro SD slot
- PoE/ Two-way Audio/ Built-in Mic and Speaker/ DIDO/ Privacy button

Photo Indication & Dimension Diagram

1. Adjustable focal Lens
2. Light Sensor
3. Illumination LED
4. Built-in Microphone
5. Speaker
6. Privacy LED
7. WPS LED (*)
   FW Upgrade LED
8. Wireless LED (*)
   Ethernet LED
9. Power LED
10. Ethernet RJ45 Socket
11. Power Connector
12. Reset Button
13. DIDO Terminal I/O Connector
14. WPS Button (*)
15. Privacy Button
16. Micro SD/SDHC slot
17. USB Port for 3G/4G ***(MB-300Ap)***

(*) WMB-300Ap

Camera

Models	**MB-300Ap** Board Lens, USB for 3G, IR LED, PoE **WMB-300Ap** Board Lens, WiFi, IR LED
Hardware System	CPU: 533 MHz Flash: 32M RAM: 256M DDR
Image Sensor	Sensor Type : 1/2.5" CMOS Sensor Sensor Resolution : 2048x1536 pixel
Minimum Illumination	0 lux (IR ON, B/W)/ 2 lux (F1.6, Color)
IR Illuminators	Built -in IR Illuminators, effective up to 15 meters IR LED: 30pcs IR wavelength: 850nm
Lens	Lens Type: Board Lens Focal Length: f= 4 mm Iris: F1.6 View Angle: (H): 66°/ (V): 49°/ (D): 85°

Video

Video Image Compression	H.264 / MPEG4 / MJPEG
Video Setting	Audio Exposure Control: Sport/ Normal/ Night Vision/ User Defined Manual Exposure Control: 1/20000~1/5s Manual Gain Control: 1X ~ 32X Manual White Balance Control: 2000K~7000K
S/N Ratio	38.1 dB
Image Resolution	**3M :** 2048x1536 @ 18fps **2M (Full HD):** 1920x1080 @ 30fps **1M (HDTV):** 1280x720 @ 30fps

Events and Alarm Management

Events	Motion Detection/ Schedule/ Audio Detection/ Digital Input
Alarm	Stream/Snapshot to FTP/Email/Samba/SD-Card HTTP/Email Notification/ Digital Output

Audio

Audio Streaming	2-way Audio Support
Audio Compression	G.711, AMR (8 kHz, Mono, PCM)
Audio Input/ Output	Built-in MIC & Speaker

General

Communication	Ethernet : one 10/100Mbps RJ-45 Supported Protocols : TCP/IP, UDP, ICMP, DHCP, NTP, DNS, DDNS, SMTP, FTP, HTTP, Samba, PPPoE, UPnP, RTP, RTSP, RTCP, IPv6
Interface & Buttons	Built-in Microphone & Speaker Ethernet RJ45 Socket Power Connector DIDO Terminal I/O Connector Reset Button WPS Button **(WMB-300Aps)** Privacy Button Micro SD/SDHC slot USB Port for 3G/4G (**MB-300Ap)**
Day & Night Support	Mechanical ICR , triggered by sensor
Power Input	**MB-300Ap:** PoE 802.3af/ DC12V 1A **WMB-300Ap**：DC12V 1A
Max. Power Consumption	**MB-300Ap:** 6.4 watts **WMB-300Ap:** 6.8 watts
Environment	Operating Temperature 0°C ~ 50°C (32°F ~122°F), Operating Humidity : 10% ~ 80%
Dimension	163 (L) X163 (W) X 125 (H) mm
Weight	**MB-300Ap**: 470g **WMB-300Ap**: 477g
Certification	FCC, CE
Warranty	Limited 2-year warranty

MB-300A Series	Wireless (11a/b/g/n dual band WiFi)	Wired (802.3af PoE)	USB port for 3G/ 4G(WiMAX/LTE)
MB-300Ap		✓	✓
WMB-300Ap	✓		

Work Best With

Accessories Options

DWRT-600N
Dual Band Wireless Router

PS-588I
8-port 10/100M PoE Fast Ethernet Switch

BP-1000
UPS power pack (Edge Recording)

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